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CLAIMS

The invention claimed is:

1. A mobile workstation, comprising:

a wheeled chassis;

5 a tray supported by the chassis and having a lower surface and an upper surface defining a substantially horizontal work surface;

a bracket mounted to the bottom of the horizontal work surface to support a wireless computer terminal; and

10 a power unit for the wireless computer terminal and supported by the chassis.

2. The mobile workstation of Claim 1, wherein the chassis further comprises:

a dolly assembly;

15 a vertical beam having a first end connected to the dolly assembly and a second end connected to the tray; and

means for altering the length of the vertical beam and maintaining the tray at a plurality of selectable distances from the dolly assembly.

20 3. The mobile workstation of claim 1, wherein the bracket defines a tray housing, further comprising a pull-out keyboard tray supported adjacent to the lower surface of the tray.

4. The mobile workstation of Claim 1, wherein the bracket defines a
25 back mounting bracket supported adjacent to the lower surface of the tray and configured to support a power converter.

5. The mobile workstation of Claim 1, wherein the bracket defines a housing supported on the upper surface.

6. The mobile workstation of Claim 1, wherein the power unit further comprises:

5 a rechargeable battery pack for supplying power to the wireless computer terminal while the wireless computer terminal is supported within the bracket; and

a battery charger connectable to an AC power source for charging the rechargeable battery.

10 7. The mobile workstation of Claim 6, wherein the power unit further comprises:

a power cord for connecting the battery charger to the AC power source; and

a power cord storage assembly operable for retracting the power cord when the power cord is not connected to the AC power source.

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8. The mobile workstation of Claim 1, further comprising:

a display screen mounted substantially perpendicular to and above the top of the horizontal work surface.

20 9. The mobile workstation of Claim 8, wherein the display screen mounts to a tiltable bracket connecting the display screen to the tray and for rotating the display screen relative to the tray.

10. A mobile workstation, comprising:

a wheeled chassis;

a substantially horizontal tray supported by the chassis and having a lower surface and an upper surface defining a substantially horizontal work surface;

5 a device mounted to the horizontal work surface;

a bracket mounted adjacent to the horizontal work surface to support the device;

a pull-out tray mounted below the horizontal work surface to support a keyboard;

10 a display screen mounted above the work surface; and

a power unit supported on the chassis to supply power to the device and the display screen.

11. The mobile workstation of Claim 10, wherein the chassis further
15 comprises:

a dolly assembly;

a vertical beam having a first end connected to the dolly assembly and a second end connected to the tray; and

20 means for altering the length of the vertical beam and maintaining the tray at a plurality of selectable distances from the dolly assembly.

12. The mobile workstation of Claim 10, wherein the device is a computing device.

25 13. The mobile workstation of Claim 10, wherein the device is a wireless computing device.

14. The mobile workstation of Claim 10, wherein the power unit further comprises:

a rechargeable battery for supplying power to the device; and
a battery charger connectable to an AC power source for charging the rechargeable battery.

5 15. The mobile workstation of Claim 10, wherein the compartment defines a back mounting bracket supported adjacent to the lower surface of the tray and configured to support a power converter.

10 16. The mobile workstation of Claim 14, wherein the power unit further comprises:

a power cord for connecting the battery charger to the AC power source; and
a power cord storage assembly operable for retracting the power cord when the power cord is not connected to the AC power source.

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17. A mobile workstation, comprising:

a wheeled chassis with a dolly assembly;

a substantially horizontal tray supported by the chassis and having a lower surface and an upper surface defining a work surface, the tray connected to the chassis by a vertical beam having a first end connected to the dolly assembly and a
5 second end connected to the tray;

a means for altering the length of the vertical beam and maintaining the tray at a plurality of selectable distances from the dolly assembly;

a display screen supported by the tray adjacent to the work surface;

10 a pull-out keyboard tray supported adjacent to the lower surface of the tray;

a rechargeable battery for supplying power to a device and the display screen;

a battery charger connectable to an AC power source for charging the rechargeable battery;

15 a power cord for connecting the battery charger to the AC power source; and

a power cord storage assembly operable for retracting the power cord when the power cord is not connected to the AC power source.

18. The mobile workstation of Claim 17, wherein:

20 the tray supports a computing device.

19. The mobile workstation of Claim 18, wherein the tray further defines a bracket mounted to the lower surface of the horizontal tray and configured to support the device.

25 20. The mobile workstation of Claim 18, wherein the tray further defines a bracket mounted to the upper surface of the horizontal tray and configured to support the device.

21. The mobile workstation of Claim 17, further comprising:
a tiltable bracket connecting the display device above the tray and for rotating the display device relative to the tray.

22. A mobile workstation for use with a computer network, comprising:
a computing device operable for processing data;

a radio transceiver connected to the computing device operable for
receiving and sending data to the computer network through a radio frequency
5 communication channel;

an input device for entering data into the computing device;

a display screen operable for viewing data in the computing device;

a power unit operable for supplying power to the computing device and the
display screen; and

10 a wheeled chassis for mounting the computing device, the radio
transceiver, the input device, the display screen, and the power unit.

23. The mobile workstation of Claim 22, wherein the power unit further
comprises:

15 a rechargeable battery for supplying power to the device; and

a battery charger connectable to an AC power source for charging the
rechargeable battery.

24. The mobile workstation of Claim 23, wherein the power unit further
20 comprises:

a power cord for connection the battery charger to the AC power source; and

a power cord storage assembly operable for retracting the power cord when
the power cord is not connected to the AC power source.

25. A mobile workstation, comprising:

a wheeled chassis;

a tray supported by the chassis and having an upper surface defining a substantially horizontal work surface; and

5 a bracket mounted adjacent to the work surface for supporting a docking station for holding a device.

26. The mobile workstation of Claim 25, wherein the bracket tiltably connects to the tray for rotating the docking station relative to the tray.

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27. The mobile workstation of Claim 25, further comprising:

a docking station supported by the bracket including an elongate dimension and a relatively slender dimension; and wherein

15 the tray supports the docking station with the elongate dimension substantially vertical and the slender dimension substantially horizontal.

28. The mobile workstation of Claim 25, further comprising a clutch connecting the bracket to the tray for maintaining the docking station in a plurality of selectable rotational positions relative to the tray.

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29. The mobile workstation of Claim 25, wherein the chassis further comprises:

a dolly assembly;

25 a vertical beam having a first end connected to the dolly assembly and a second end connected to the tray; and

means for altering the length of the vertical beam and maintaining the tray at a plurality of selectable distances from the dolly assembly.

30. The mobile workstation of Claim 25, wherein the tray defines a lower

surface, further comprising a pull-out keyboard tray supported adjacent to the lower surface of the tray.

31. The mobile workstation of Claim 25, further comprising:

5 a rechargeable battery for supplying power to the device while the device is supported within the docking station; and

a battery charger connectable to an AC power source for charging the rechargeable battery.

10 32. The mobile workstation of Claim 31, further comprising:

a power cord for connecting the battery charger to the AC power source; and

a power cord storage assembly operable for retracting the power cord when the power cord is not connected to the AC power source.

33. The mobile workstation of Claim 25, wherein the docking station further comprises:

a retainer for holding the device in the docking station;

5 a restraining member movable from an open position to a closed position so that the device may be removed from the docking station when the restraining member is in the open position, and so that device is resiliently restrained in the docking station when the restraining member is in the closed position;

a lock movable from a release position to an interference position to positively restrain the device in the docking station; and

10 an unlocking means for selectively moving the lock from the interference position to the release position to allow the device to be removed from the docking station.

34. The mobile workstation of Claim 33, wherein:

15 the retainer includes two spaced-apart arms for receiving a first side of the device; and

the restraining member comprises a leveling tray for resiliently supporting a second side of the device, opposite the first side of the device.

20 35. The mobile workstation of Claim 25, wherein:

the device includes a display screen; and

the docking station supports the device with the display screen substantially perpendicular to and above the work surface.

36. A mobile workstation, comprising:

a wheeled chassis;

a substantially horizontal tray supported by the chassis and having an upper surface defining a substantially horizontal work surface;

5 a docking station supported by the tray adjacent to the work surface for removably supporting a device, the docking station including an elongate dimension and a relatively slender dimension;

the tray supporting the docking station with the elongate dimension substantially vertical and the slender dimension substantially horizontal;

10 a tiltable bracket connecting the docking station to the tray for rotating the docking station relative to the tray; and

a clutch connecting the bracket to the tray for maintaining the docking station in a plurality of selectable rotational positions relative to the tray.

15 37. The mobile workstation of Claim 36, wherein the chassis further comprises:

a dolly assembly;

a vertical beam having a first end connected to the dolly assembly and a second end connected to the tray; and

20 means for altering the length of the vertical beam and maintaining the tray at a plurality of selectable distances from the dolly assembly.

38. The mobile workstation of Claim 36, wherein the tray defines a lower surface, further comprising a pull-out keyboard tray supported adjacent to the
25 lower surface of the tray.

39. The mobile workstation of Claim 38, further comprising:

a rechargeable battery for supplying power to the device while the device is supported within the docking station; and

5 a battery charger connectable to an AC power source for charging the rechargeable battery.

40. The mobile workstation of Claim 39, further comprising:

a power cord for connecting the battery charger to the AC power source; and

10 a power cord storage assembly operable for retracting the power cord when the power cord is not connected to the AC power source.

41. The mobile workstation of Claim 40, wherein the docking station further comprises:

15 a retainer including two spaced-apart arms for receiving a first side of the device;

a restraining member including a leveling tray for receiving a second side of the device, the leveling tray being movable from an open position to a closed position so that the device may be removed from the docking station when the restraining member is in the open position, and so that device is resiliently
20 restrained in the docking station when the restraining member is in the closed position;

a lock movable from a release position to an interference position to positively restrain the device in the docking station; and

25 an unlocking means for selectively moving the lock from the interference position to the release position to allow the device to be removed from the docking station.

42. A mobile workstation, comprising:

a wheeled chassis;

a substantially horizontal tray supported by the chassis and having a lower surface and an upper surface defining a work surface;

5 a docking station supported by the tray adjacent to the work surface for removably supporting a device;

a pull-out keyboard tray supported adjacent to the lower surface of the tray;

a rechargeable battery for supplying power to the device while the device is supported within the docking station;

10 a battery charger connectable to an AC power source for charging the rechargeable battery;

a power cord for connecting the battery charger to the AC power source; and

a power cord storage assembly operable for retracting the power cord when the power cord is not connected to the AC power source.

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43. The mobile workstation of Claim 42, wherein:

the docking station includes an elongate dimension and a relatively slender dimension; and

20 the tray supports the docking station with the elongate dimension substantially vertical and the slender dimension substantially horizontal.

44. The mobile workstation of Claim 43, further comprising:

a tiltable bracket connecting the docking station to the tray for rotating the docking station relative to the tray; and

25 a clutch connecting the tiltable bracket to the tray and operable for maintaining the docking station in a plurality of selectable rotational positions relative to the tray.

45. The mobile workstation of Claim 44, wherein the docking station

further comprises:

a retainer including two spaced-apart arms for receiving a first side of the device;

5 a restraining member including a leveling tray for receiving a first side of the device, the leveling tray being movable from an open position to a closed position so that the device may be removed from the docking station when the restraining member is in the open position, and so that device is resiliently restrained in the docking station when the restraining member is in the closed position;

10 a lock movable from a release position to an interference position to positively restrain the device in the docking station; and

an unlocking means for selectively moving the lock from the interference position to the release position to allow the device to be removed from the docking station.